

Seminar Pricing

Registration	\$2500
Academic registration (full-time students only)	\$1250

10% discount for 3+ group attendees - Contact us for payment

10% discount for NY-Best organization members

The number of participants is limited.

Pricing includes hard copy print out of all seminar presentations, lunch, refreshments and an invitation for a get together and dinner.

Booking is concluded after receiving confirmation.

Cancellation of registration:

Written notice only will be accepted:

30 days prior to seminar - 50% refund

Less than 30 days - No refund

Remarks:

In case this seminar could be canceled due to force majeure or due to lack of participation, the participants will be informed no later than 7 days before the event. The seminar fee will be refunded in this case.

In case of cancellation of the seminar up to 7 days before the event, a claim for compensation for travel or accommodation costs is excluded.

Conference details and registration available on the conference website: <http://www.rit.edu/batteryseminar>

Questions? Please contact:

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Li-Ion Manufacturing Seminar (Theoretical + Practical)

Rochester Institute of Technology, NY, USA

04/24/2018 – 04/25/2018

This seminar focuses on the manufacturing of lithium ion coin & pouch cells. In practical modules, the cell assembly will be performed hands on by starting with raw material and going through final cell fabrication and characterization. Please visit <http://www.rit.edu/batteryseminar> for updates.

The corresponding lecture program gives insights in the latest coin & pouch cells technology trends on material, machinery and processing side.

This seminar takes place at the Rochester Institute of Technology & Battery Prototyping Center in Rochester, NY, USA.

Key Benefits

The seminar provides

- Theoretical & practical sessions to learn about all lithium ion cell production steps
- Direct insight into a state of the art lithium ion cell production line
- Supporting lectures with practical sessions technology, processes and machinery
- Updates on latest technology trends in lithium ion batteries
- Attendants will build li-ion pouch cells in the production line

Who Should Attend?

- Battery & electrochemistry industry members
- Battery material suppliers
- Battery manufacturing equipment suppliers
- New technology startups
- Anyone who wants to learn how to manufacture li-ion cells
- Academic researchers
- Other industry members

Seminar Program Topics

Practical on-Site Sessions

- Slurry preparation
- Material handling
- Coating process
- Cell assembly
- Electrolyte filling
- Package sealing
- Formation process

Lectures

- Li-Ion technology overview
- Active materials
- Mixing & coating machinery
- Customizing cells
- Automation machinery
- Next generation technologies

Seminar Schedule

April 24-25, 2018

Seminar Location

Rochester Institute of Technology (RIT), 156 Lomb Memorial Drive, Rochester, NY 14623

Day 1 - April 24th

8:00-9:00 am	Registration, Breakfast, and Networking Rochester Institute of Technology
9:00-9:15 am	Welcome and Opening Remarks Dr. Ryne Raffaele (RIT, Vice President of Research) Speaker Introduction Shmuel De-Leon (CEO Shmuel De-Leon Energy Ltd) Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
9:15-10:15 am	Battery Essentials (General Battery Overview) Shmuel De-Leon (CEO Shmuel De-Leon Energy Ltd)
10:15-11:15 am	Lithium Ion Materials and Electrode Design Dr. Matthew Ganter (RIT Battery Prototyping Center)
11:15-12:00 am	Material and Electrode Testing and Data Analysis Dr. Christopher Schauerman (RIT Battery Prototyping Center)
12:00-1:00 pm	Lunch in Conference Area
1:00-1:30 pm	Industrial Slurry Mixing Equipment and Techniques TBD Mixing Company
1:30-2:00 pm	Industrial Roll-to-Roll Coating Equipment and Techniques TBD Coating Company
2:00-2:15 pm	Laboratory Safety Instructions Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
2:15-3:15 pm	Cathode and Anode Slurry Preparation - Practical Training Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
3:15-4:15 pm	Electrode Coatings – Practical Training Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
4:15-5:00 pm	Calendaring and Punching of Electrode for Coin and Pouch Cells - Practical Training Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
5:00-5:45 pm	Testing Cathode and Anode Electrodes with Coin-Cell Fabrication and Cycler Training – Practical Training Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
7:00 pm	Dinner Out in Rochester

Day 2 - April 25th

8:30-9:00 am	Continental Breakfast and Networking Rochester Institute of Technology
9:00-10:00 am	Lithium Ion Rechargeable Market and Trends Shmuel De-Leon (CEO Shmuel De-Leon Energy Ltd)
10:30-11:30 am	Lithium Ion Pilot and Industrial Manufacturing Equipment for Production and Formation TBD – Manufacturing Equipment Company
11:30-1:00 am	Battery Safety Shmuel De-Leon (CEO Shmuel De-Leon Energy Ltd)
1:00-2:00 pm	Lunch in Conference Area
2:00-3:00 pm	Assembly of Pouch Cells (Blister Formation, Punching, and Tabbing) – Practical Training Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
3:00-4:00 pm	Stacking, Electrolyte Filling, and Sealing – Practical Training Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
4:00-4:15 pm	Testing Fixtures and Cell Formation – Practical Training Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
4:15-5:00 pm	State-of-the-Art Li-Ion and Beyond Li-Ion Technologies Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
5:00-5:30 pm	Summary of Seminar and Conclusion Dr. Matthew Ganter (RIT Battery Prototyping Center) Dr. Christopher Schauerman (RIT Battery Prototyping Center)
5:30 pm	End of Seminar

Presented by RIT Battery Prototyping Center and Shmuel De-Leon

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Shmuel De-Leon
Energy Ltd

